

IN THE CLAIMS

Claims 1-31 are pending in the application as filed.

Claims 29-31 (withdrawn).

Claims 32-42 (new).

Please amend the claims 1, 9, and 17 to read as follows:

A1
B2
1. (Currently Amended) A cartridge for use in a fluid warmer, comprising:
a rigid plate having a first surface and a second opposing surface, the plate being
capable of conducting heat and having a meandering path provided therein; and
a sheet of film that completely covers the first and second surfaces.

2. (Original) The cartridge of claim 1, wherein the film is flexible.

3. (Original) The cartridge of claim 1, wherein the film is thin.

4. (Original) The cartridge of claim 1, wherein the meandering path
comprises a plurality of alternating U-shapes.

B2
5. (Original) The cartridge of claim 1, wherein the film is a single film that
is wrapped around the plate.

6. (Original) The cartridge of claim 1, wherein the rigid plate is made of a
non-DEHP plastic material.

7. (Original) The cartridge of claim 1, wherein the film is made of a non-
DEHP plastic material.

8. (Original) The cartridge of claim 6, wherein the film is made of a non-
DEHP plastic material.

A2
B2
9. (Currently Amended) A cartridge for use in a fluid warmer, comprising:

a rigid plate having a first surface and a second opposing surface, the plate being capable of conducting heat and having a meandering path provided therein;

A2
B2

a first sheet of film that covers the first surface; and

a second sheet of film that covers the second surface.

10. (Original) The cartridge of claim 9, wherein the film is flexible.

11. (Original) The cartridge of claim 9, wherein the film is thin.

12. (Original) The cartridge of claim 9, wherein the meandering path comprises a plurality of alternating U-shapes.

B2

13. (Original) The cartridge of claim 9, wherein the first and second sheets of film completely cover the first and second surfaces, respectively.

14. (Original) The cartridge of claim 9, wherein the rigid plate is made of a non-DEHP plastic material.

15. (Original) The cartridge of claim 9, wherein the films are made of a non-DEHP plastic material.

16. (Original) The cartridge of claim 14, wherein the films are made of a non-DEHP plastic material.

17. (Currently Amended) A system for warming a fluid, comprising:

A3
B2

a fluid warmer having a housing that retains therein a heating element, and said housing comprising an upper section and a lower section hingedly joined at one side of the upper and lower sections, said upper and lower sections adapted to rotatably open ; and

a cartridge that is retained inside the housing and which receives heat from the heating element, comprising:

B2 B3
a rigid heat-conducting plate having a first surface and a second opposing surface,
the plate having a meandering path provided therein; and

a sheet of heat-conducting film that covers the first and second surfaces, said film
being adapted to receive heat from the heating element.

- B3
18. (Original) The system of claim 17, wherein the film is flexible.
 19. (Original) The system of claim 17, wherein the film is thin.
 20. (Original) The system of claim 17, wherein the meandering path comprises a plurality of alternating U-shapes.
 21. (Original) The system of claim 17, wherein the film is a single film that is wrapped around the plate.
 22. (Original) The system of claim 17, wherein the film comprises a first sheet of film that completely covers the first surface, and a second sheet of film that completely covers the second surface.
 23. (Original) The system of claim 17, further including means for aligning the cartridge inside the housing.
 24. (Original) The system of claim 17, wherein the fluid warmer includes:
a heating element; and
a contact plate which thermally couples the heating element with the film of the cartridge, wherein the contact plate has a plurality of separate regions.
 25. (Original) The system of claim 24, wherein the fluid warmer includes a plurality of thermistors that are operatively coupled to the cartridge and which are also coupled to a processor, with each of the plurality of thermistors and the processor

controlling the fluid traveling through the plurality of separate regions to a different temperature.

26. (Original) The cartridge of claim 17, wherein the rigid plate is made of a non-DEHP plastic material.

B² 27. (Original) The cartridge of claim 17, wherein the film is made of a non-DEHP plastic material.

28. (Original) The cartridge of claim 26, wherein the film is made of a non-DEHP plastic

Please add the following New claims:

32. (New) The cartridge according to claim 1 wherein the rigid plate and the sheet are polycarbonate.

at 33. (New) The cartridge according to claim 1 further comprising an input port and an output port on opposite ends of the cartridge.

B² 34. (New) The cartridge according to claim 9 wherein the rigid plate and the sheet are polycarbonate.

35. (New) The cartridge according to claim 32 wherein the input port, the output port, and the cartridge are all one integral piece.

36. (New) The cartridge according to claim 32 wherein the input and output ports are releasable connectors to a transmission tube.

37. (New) The cartridge according to claim 1 further comprising at least one of a male and a female key for aligning the cartridge.

38. (New) The cartridge according to claim 37 further comprising aligning indentations for attaching the film to the cartridge.

39. (New) The system for warming a fluid according to claim 1 wherein the plate and sheet are polycarbonate

40. (New) The system of claim 17 wherein the fluid warmer further comprises temperature control thermistors between each contact plate region on the upper section and in contact with opposing contact plates on the lower section.

41. (New) The cassette according to claim 9 wherein the film is transparent.

42. (New) The system for warming a fluid according to claim 17 wherein the plate and sheet are polycarbonate.